



Sheet 1 of 1

Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)  
2880(203-3440)Application Number  
10/728,212Applicant  
David S. KeppelFiling Date  
12/4/2003Group Art Number  
2838

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
RWg	5,647,869	07/15/97	Goble et al.			
RWg	2002/0035353 A1	03/21/02	Edwards et al.			

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
RWg	878,169	Nov., 1998	EP				

## OTHER DOCUMENTS

RWg	Chicharo et al. "A Sliding Goertzel Algorith" August 1996, pgs. 283-297 SIGNAL PROCESSING, ELSEVIER SCIENCE PUBLISHERS B.V. AMSTERDAM, NL. vol. 52 no. 3
RWg	Ogden "Goertzel Alternative to the Fourier Transform" June 1993 pgs. 485-487 ELECTRONICS WORLD; REED BUSINESS PUBLISHING, SUTTON, SURREY, GB vol. 99, no. 1687
RWg	International Search Report - PCT/US03/37310

Examiner

Roy D. Gibson

Date Considered

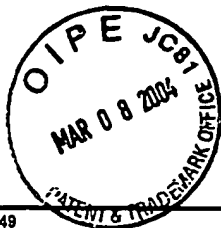
8/26/05

Examiner: Initial if citation considered, whether or nor citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



Examiner: Initial if citation considered, whether or nor citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**



without references

Form PTO-1449		Docket Number (Optional) 2880(203-3440)		Application Number 10/728,212	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION  (Use several sheets if necessary)		Applicant David S. Keppel			
		Filing Date December 4, 2003		Group Art Number	
U.S. PATENT DOCUMENTS					
Examiner Initial	Document Number	Date	Name	Class	Filing Date if Appropriate
ROY	RE 33,420	Nov. 6, 1990	Marvin L. Sussman		
	RE 36,871	Sept. 12, 2000	Paul Epstein		
	2001/0031962 A1	Oct. 18, 2001	Jeffery L. Eggleston		
	1,787,709	Jan. 6, 1931	F.C. Wappler		
	1,813,902	Jul. 14, 1931	W.T. Bovie		
	1,841,968	Jan. 19, 1932	N.H. Lowry		
	1,863,118	Jun. 14, 1932	J.G.H. Liebel		
	1,945,867	Feb. 6, 1934	P.C. Rawls		
	2,827,056	Mar. 18, 1958	J. Degelman		
	2,849,611	Aug. 26, 1958	R.P. Adams		
	2,982,881	May 2, 1961	R.W. Reich		
	3,058,470	Oct. 16, 1962	E. Seeliger et al.		
	3,089,496	May. 14, 1963	J. Degelman		
	3,163,165	Dec. 29, 1964	Humio Islikawa		
	3,252,052	May. 17, 1966	F.M. Nash		
	3,391,351	Jul. 2, 1968	D. W. Trent		
	3,402,326	Sept. 17, 1968	R.A. Guasco et al.		
	3,413,480	Nov. 26, 1968	J.R. Biard et al.		
	3,436,563	Apr. 1, 1969	W.M. Regitz		
	3,439,253	Apr. 15, 1969	M.J. Piteo		
	3,439,680	Apr. 22, 1969	E.R. Thomas Jr.		
	3,461,874	Aug. 19, 1969	M. Martinez		
	3,471,770	Oct. 7, 1969	K. E. Haire		
	3,478,744	Nov. 18, 1969	H. Leiter		
	3,486,115	Dec. 23, 1969	D. J. Anderson		
	3,495,584	Feb. 17, 1970	A. W. Schwalm		
	3,513,353	May. 19, 1970	J. L. Lansch		
	3,514,689	May 26, 1970	R. Giannamore		
	3,515,943	Jun. 2, 1970	Warrington		
	3,551,786	Dec. 29, 1970	J.L. Van Gulik		
Examiner	Roy D. Gibson			Date Considered 8/26/05	
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.					

without references

Form PTO-1449  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)		Docket Number (Optional) 2880(203-3440)		Application Number 10/728,212	
		Applicant David S. Keppel			
		Filing Date December 4, 2003		Group Art Number	

U.S. PATENT DOCUMENTS						
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
R. D. Gibson	3,562,623	Feb. 9, 1971	Robert P. Farnsworth			
	3,571,644	Mar. 23, 1971	Albert Jakoubovitch			
	3,589,363	Jun. 29, 1971	Anton Banko			
	3,595,221	Jul. 27, 1971	John Harold Blackett			
	3,601,126	Aug. 24, 1971	Jerry R. Estes			
	3,611,053	Oct. 5, 1971	William G. Rowell			
	3,641,422	Feb. 18, 1972	Farnsworth et al.			
	3,662,151	May. 9, 1972	Paul C. Haffey			
	3,675,655	Jul. 11, 1972	Weldon Rex Sittner			
	3,683,923	Aug. 15, 1972	Robert K. Anderson			
	3,693,613	Sept. 26, 1972	Charles Kelman			
	3,697,808	Oct. 10, 1972	Joo Chan Lee			
	3,699,967	Oct. 24, 1972	Robert K. Anderson			
	3,720,896	Mar. 13, 1973	Reiner Bierlein			
	3,743,918	Jul. 3, 1973	Guy Maitre			
	3,766,434	Oct. 16, 1973	Stanley A. Sherman			
	3,768,482	Oct. 30, 1973	Robert F. Shaw			
	3,783,340	Jan. 1, 1974	Richard S. Becker			
	3,784,842	Jan. 8, 1974	Frederic B. Kremer			
	3,801,766	Apr. 2, 1974	Charles F. Morrison, Jr.			
	3,801,800	Apr. 2, 1974	David W. Newton			
	3,812,858	May. 28, 1974	Maurice Jules Oringer			
	3,815,015	Jun. 4, 1974	Swin et al.			
	3,826,263	Jul. 30, 1974	John M. Cage et al.			
	3,828,768	Aug. 13, 1974	David W. Douglas			
	3,848,600	Nov. 19, 1974	C. T. Patrick, Jr., et al.			
	3,870,047	Mar. 11, 1975	Donald I. Gonser			
	3,875,945	Apr. 8, 1975	Joshua Friedman			
	3,885,569	May. 27, 1975	Donald W. Judson			
	3,897,787	Aug. 5, 1975	Yuji Ikuno et al.			

Examiner <i>Roy D. Gibson</i>	Date Considered 8/26/05
----------------------------------	----------------------------

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

without references

Form PTO-1449		Docket Number (Optional) 2880(203-3440)		Application Number 10/728,212		
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)		Applicant David S. Keppel				
		Filing Date December 4, 2003		Group Art Number		
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>RW</i>	3,897,788	Aug. 5, 1975	David W. Newton			
	3,901,216	Aug. 26, 1975	Milton R. Felger			
	3,905,373	Sept. 16, 1975	Donald I. Gonser			
	3,913,583	Oct. 21, 1975	William T. Bross			
	3,923,063	Dec. 2, 1975	Stephen Andrews et al.			
	3,933,157	Jan. 20, 1976	Per Henrik Bjurwill et al.			
	3,946,738	Mar. 30, 1976	David W. Newton et al.			
	3,963,030	Jun. 15, 1976	David W. Newton			
	3,964,487	Jun. 22, 1976	Donald W. Judson			
	3,971,365	Jul. 27, 1976	Leland B. Smith			
	3,980,085	Sept. 14, 1976	Yuji Ikuno			
	4,005,714	Feb. 1, 1977	Siegfried Hilebrandt			
	4,024,467	May 17, 1977	Andrews et al.			
	4,041,952	Aug. 16, 1977	C. Morrison, Jr. et al.			
	4,051,855	Oct. 4, 1977	Max Schneiderman			
	4,063,557	Dec. 20, 1977	David G. Wuchinich et al.			
	4,074,719	Feb. 21, 1978	Kurt Semm			
	4,092,986	Jun. 6, 1978	Max Schneiderman			
	4,094,320	Jun. 13, 1978	David W. Newton et al.			
	4,102,341	Jul. 25, 1978	Yuzi Ikuno et al.			
	4,114,623	Sept. 19, 1978	Hans Meinke et al.			
	4,121,590	Oct. 24, 1978	Donald I. Gonser			
	4,123,673	Oct. 31, 1978	Donald I. Gonser			
	4,126,137	Nov. 21, 1978	G. Kent Archibald			
	4,145,636	Mar. 20, 1979	S. Doi			
	4,188,927	Feb. 19, 1980	Frank W. Harris			
	4,191,188	Mar. 4, 1980	Kenneth W. Belt et al.			
	4,196,734	Apr. 8, 1980	Frank W. Harris			
	4,200,104	Apr. 29, 1980	Frank W. Harris			
<i>d</i>	4,200,105	Apr. 29, 1980	Donald I. Gosner			
Examiner <i>Roy D. Gibson</i>				Date Considered <i>8/26/05</i>		
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

without references

Form PTO-1449  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)		Docket Number (Optional) 2880(203-3440)		Application Number 10/728,212	
		Applicant David S. Keppel			
		Filing Date December 4, 2003		Group Art Number	

U.S. PATENT DOCUMENTS						
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>RCS</i>	4,209,018	Jun. 24, 1980	Hans Meinke et al.			
	4,231,372	Nov. 4, 1980	David W. Newton			
	4,232,676	Nov. 11, 1980	Andrew Herczog			
	4,237,887	Dec. 9, 1980	Donald I. Gosner			
	4,237,891	Dec. 9, 1980	Ronald A. DuBose et al.			
	4,281,373	Jul. 28, 1981	Pierre Mabile			
	4,287,557	Sep. 1, 1981	Robert F. Brehse			
	4,303,073	Dec. 1, 1981	G. Kent Archibald			
	4,311,154	Jan. 19, 1982	Sterzer et al.			
	4,314,559	Feb. 9, 1982	Richard E. Allen			
	4,321,926	Mar. 30, 1982	Ralph R. Roge			
	4,334,539	Jun. 15, 1982	Warren L. Childs et al.			
	4,343,308	Aug. 10, 1982	Robert D. Gross			
	4,372,315	Feb. 8, 1983	Julius Shapiro et al.			
	4,376,263	Mar. 8, 1983	Pittroff et al.			
	4,378,801	Apr. 5, 1983	Roger L. Oosten			
	4,384,582	May. 24, 1983	John H. Watt			
	4,397,314	Aug. 9, 1983	Vaguine			
	4,407,272	Oct. 4, 1983	Tatuya Yamaguchi			
	4,411,266	Oct. 25, 1983	Eric R. Cosman			
	4,416,276	Nov. 22, 1983	David W. Newton et al.			
	4,416,277	Nov. 22, 1983	David W. Newton et al.			
	4,437,464	Mar. 20, 1984	James J. Crow			
	4,452,546	Jun. 5, 1984	S. Hillebrandt et al.			
	4,463,759	Aug. 7, 1984	Jon C. Garito et al.			
	4,470,414	Sept. 11, 1984	Kyoshiro Imagawa et al.			
	4,472,661	Sep. 18, 1984	Clifford T. Culver			
	4,474,179	Oct. 2, 1984	Rainer Koch			
	4,492,231	Jan. 8, 1985	David C. Auth			
	<input checked="" type="checkbox"/>	4,492,832	Jan. 8, 1985	Glenn N. Taylor		

Examiner <div style="font-family: cursive; font-size: 1.2em; margin-top: 10px;">Roy D. Gibson</div>	Date Considered <div style="font-family: cursive; font-size: 1.2em; margin-top: 10px;">8/26/05</div>
--------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

without references

Form PTO-1449		Docket Number (Optional) 2880(203-3440)		Application Number 10/728,212		
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)		Applicant David S. Keppel				
		Filing Date December 4, 2003		Group Art Number		
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
R/S	4,494,541	Jan. 22, 1985	G. Kent Archibald			
	4,514,619	Apr. 30, 1985	Michael M. Kugelman			
	4,520,818	Jun. 4, 1985	Stanley Mickiewicz			
	4,559,943	Dec. 24, 1985	William J. Bowers			
	4,565,200	Jan. 21, 1986	Eric R. Cosman			
	4,566,454	Jan. 28, 1986	Thomas L. Mehl et al.			
	4,569,345	Feb. 11, 1986	Michael R. Manes			
	4,576,177	Mar. 18, 1986	Webster Jr.			
	4,582,057	Apr. 15, 1986	Dacid C. Auth et al.			
	4,590,934	May. 27, 1986	Jerry L. Malis et al.			
	4,608,977	Sep. 2, 1986	Brown			
	4,630,218	Dec. 16, 1986	James R. Hurley			
	4,632,109	Dec. 30, 1986	William G. Patterson			
	4,644,955	Feb. 24, 1987	P. Mioduski			
	4,646,222	Feb. 24, 1987	Chihiro Okado et al.			
	4,651,264	Mar. 17, 1987	Shiao-Chung Hu			
	4,651,280	Mar. 17, 1987	Chang et al.			
	4,657,015	Apr. 14, 1987	Wamer Irnich			
	4,658,815	Apr. 21, 1987	Gunter Farin et al.			
	4,658,819	Apr. 21, 1987	Frank W. Harris et al.			
	4,658,820	Apr. 21, 1987	Michael S. Klicek			
	4,662,383	May 5, 1987	Sogawa et al.			
	4,712,559	Dec. 15, 1987	Paul F. Turner			
	4,727,874	Mar. 1, 1988	William J. Bowers et al.			
	4,735,204	Apr. 5, 1988	Marvin L. Sussman et al.			
	4,739,759	Apr. 26, 1988	F. W. Rexroth et al.			
	4,741,334	May. 3, 1988	Werner Irnich			
	4,754,757	Jul. 5, 1988	Peter Feucht			
	4,805,621	Feb. 21, 1989	Heinze et al.			
	✓	4,818,954	Apr. 4, 1989	Flachenecker et al.		
Examiner <i>Roy D. Gibson</i>				Date Considered <i>8/26/05</i>		
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						



without references

Form PTO-1449		Docket Number (Optional) 2880(203-3440)		Application Number 10/728,212		
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)		Applicant David S. Keppel				
		Filing Date December 4, 2003		Group Art Number		
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
R. D. Gibson	4,827,911	May. 9, 1989	Alan Broadwin et al.			
	4,827,927	May. 9, 1989	David W. Newton			
	4,832,024	May 23, 1989	Boussignac et al.			
	4,848,355	Jul. 18, 1989	Yasuhiro Nakamura et al.			
	4,860,745	Aug. 29, 1989	Gunter Farin et al.			
	4,862,889	Sept. 5, 1989	Peter Feucht			
	4,880,719	Nov. 14, 1989	Murofushi et al.			
	4,890,610	Jan. 2, 1990	L. T. Kirwan et al.			
	4,903,696	Feb. 27, 1990	Peter Stasz et al.			
	4,907,589	Mar. 13, 1990	Eric R. Cosman			
	4,922,210	May. 1, 1990	G. Flachenecker et al.			
	4,931,047	Jun. 5, 1990	Alan Broadwin et al.			
	4,931,717	Jun. 5, 1990	Randall C. Gray et al.			
	4,938,761	Jul. 3, 1990	Frieder H. Ensslin			
	4,942,313	Jul. 17, 1990	Helmut Kinzel			
	4,961,047	Oct. 2, 1990	Timothy J. Carder			
	4,961,435	Oct 9, 1990	Kitagawa et al.			
	4,966,597	Oct. 30, 1990	Cosman			
	4,969,885	Nov. 13, 1990	Gunter Farin			
	4,993,430	Feb. 19, 1991	Shimoyama et al.			
	4,995,877	Feb. 26, 1991	Felix Ams et al.			
	5,015,227	May. 14, 1991	Alan Broadwin et al.			
	5,029,588	Jul. 9, 1991	Yock et al.			
	5,103,804	Apr. 14, 1992	Abele et al.			
	5,108,389	Apr. 28, 1992	Ioan Cosmescu			
	5,122,137	Jun. 16, 1992	Charles D. Lennox			
	5,133,711	Jul. 28, 1992	Alfred Hagen			
	5,151,102	Sept. 29, 1992	H. Kamiyama et al.			
	5,152,762	Oct. 6, 1992	Jay J. McElhenney			
	5,157,603	Oct. 20, 1992	Gregg D. Scheller et al.			
Examiner Roy D. Gibson			Date Considered 8/26/05			
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

without references

Form PTO-1449		Docket Number (Optional) 2880(203-3440)		Application Number 10/728,212		
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)		Applicant David S. Keppel				
		Filing Date December 4, 2003		Group Art Number		
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
RWJ	5,160,334	Nov. 3, 1992	R. Gail Billings et al.			
	5,167,658	Dec. 1, 1992	Frieder H. Ensslin			
	5,190,517	Mar. 2, 1993	David A. Zieve et al.			
	5,196,009	Mar. 23, 1993	Lawrence T. Kirwan Jr.			
	5,201,900	Apr. 13, 1993	Paul C. Nardella			
	5,207,691	May. 4, 1993	Paul C. Nardella			
	5,230,623	Jul. 27, 1993	Guthrie et al.			
	5,233,515	Aug. 3, 1993	Eric R. Cosman			
	5,267,994	Dec. 7, 1993	Gentelia et al.			
	5,281,213	Jan. 25, 1994	Milder et al.			
	5,300,068	Apr. 5, 1994	George C. Rosar et al.			
	5,318,563	Jun. 7, 1994	Jerry L. Malis et al.			
	5,323,778	Jun. 28, 1994	Kandarpa et al.			
	5,324,283	Jun. 28, 1994	Helmut Hecke			
	5,330,518	Jul. 19, 1994	Neilson et al.			
	5,334,193	Aug. 2, 1994	Nardella			
	5,341,807	Aug. 30, 1994	Paul C. Nardella			
	5,342,356	Aug. 30, 1994	Alan G. Ellman			
	5,342,357	Aug. 30, 1994	Nardella			
	5,342,409	Aug. 30, 1994	Keith R. Mullett			
	5,348,554	Sep. 20, 1994	Imran et al.			
	5,370,645	Dec. 6, 1994	Michael S. Klicek et al.			
	5,370,672	Dec. 6, 1994	Kim R. Fowler et al.			
	5,370,675	Dec. 6, 1994	Edwards et al.			
	5,372,596	Dec. 13, 1994	Michael S. Klicek et al.			
	5,383,876	Jan. 24, 1995	Nardella			
	5,383,917	Jan. 24, 1995	Desai et al.			
	5,385,148	Jan. 31, 1995	Lesh et al.			
	5,396,062	Mar. 7, 1995	David K. Eisentraut et al.			
	5,400,267	Mar. 21, 1995	Dennis J. Denen et al.			
	Examiner <i>Roy D. Gibson</i>				Date Considered <i>8/26/05</i>	
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

without references

Form PTO-1449		Docket Number (Optional) 2880(203-3440)		Application Number 10/728,212		
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)		Applicant David S. Keppel				
		Filing Date December 4, 2003		Group Art Number		
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>RW</i>	5,403,311	Apr. 4, 1995	Abele et al.			
	5,403,312	Apr. 4, 1995	David C. Yates et al.			
	5,409,000	Apr. 25, 1995	Imran			
	5,409,006	Apr. 25, 1995	Buchholtz et al.			
	5,413,573	May. 9, 1995	John Koivukangas			
	5,417,719	May. 23, 1995	Vincent W. Hull et al.			
	5,422,567	Jun. 6, 1995	Derek Matsunaga			
	5,423,808	Jun. 13, 1995	Stuart D. Edwards et al.			
	5,423,809	Jun. 13, 1995	Michael S. Klicek			
	5,423,810	Jun. 13, 1995	Nigel M. Goble et al.			
	5,430,434	Jul. 4, 1995	Gabor Lederer et al.			
	5,433,739	Jul. 18, 1995	Menno E. Sluiter et al.			
	5,434,398	Jul. 18, 1995	Samuel Goldberg			
	5,438,302	Aug. 1, 1995	Colin C. O. Goble			
	5,443,463	Aug. 22, 1995	Roger A. Stern et al.			
	5,451,224	Sept. 19, 1995	Nigel M. Goble et al.			
	5,458,597	Oct. 17, 1995	Edwards et al.			
	5,462,521	Oct. 31, 1995	Brucker et al.			
	5,472,441	Dec. 5, 1995	Edwards et al.			
	5,472,443	Dec. 5, 1995	Jack C. Cordis et al.			
	5,478,303	Dec. 26, 1995	D. Folry-Nolan et al.			
	5,480,399	Jan. 2, 1996	Kevin A. Hebborn			
	5,483,952	Jan. 16, 1996	Ernie Aranyi			
	5,490,850	Feb. 13, 1996	Ellman et al.			
	5,496,312	Mar. 5, 1996	Michael S. Klicek			
	5,496,313	Mar. 5, 1996	John S. Gentelia et al.			
	5,500,012	Mar. 19, 1996	Brucker et al.			
	5,500,616	Mar. 19, 1996	Sam S. Ochi			
	5,514,129	May. 7, 1996	Gregory C. Smith			
✓	5,520,684	May 28, 1996	Imran			
Examiner <i>Roy D. Gibson</i>				Date Considered <i>8/26/05</i>		
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

without references

Form PTO-1449		Docket Number (Optional) 2880(203-3440)		Application Number 10/728,212		
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)		Applicant David S. Keppel				
		Filing Date December 4, 2003		Group Art Number		
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
RWS	5,531,774	Jul. 2, 1996	J. H. Schulman et al.			
	5,534,018	Jul. 9, 1996	J. D. Wahlstrand et al.			
	5,536,267	Jul. 16, 1996	Edwards et al.			
	5,540,681	Jul. 30, 1996	Bruno Strul et al.			
	5,540,684	Jul. 30, 1996	William L. Hassler, Jr.			
	5,540,724	Jul. 30, 1996	Timothy J. Cox			
	5,556,396	Sept. 17, 1996	Donald Cohen et al.			
	5,558,671	Sept. 24, 1996	David C. Yates			
	5,569,242	Oct. 29, 1996	Ronald G. Lax et al.			
	5,571,147	Nov. 5, 1996	Menno E. Sluijter et al.			
	5,588,432	Dec. 31, 1996	Crowley			
	5,594,636	Jan. 14, 1997	Colin D. Schauder			
	5,596,466	Jan. 21, 1997	Sam. S. Ochi			
	5,599,344	Feb. 4, 1997	William G. Paterson			
	5,599,345	Feb. 4, 1997	Edwards et al.			
	5,605,150	Feb. 25, 1997	S. W. Radons et al.			
	5,613,966	Mar. 25, 1997	Joshua Makower et al.			
	5,613,996	Mar. 25, 1997	Richard D. Lindsay			
	5,625,370	Apr. 29, 1997	Leok J. D'Hont			
	5,626,575	May 6, 1997	James C. Crenner			
	5,628,745	May. 13, 1997	Robin B. Bek			
	5,643,330	Jul. 1, 1997	Jan Holsheimer et al.			
	5,647,871	Jul. 15, 1997	Levine et al.			
	5,651,780	Jul. 29, 1997	Jerome Jackson et al.			
	5,658,322	Aug. 19, 1997	Janet E. Fleming			
	5,660,567	Aug. 26, 1997	Steve L. Nierlich et al.			
	5,688,267	Nov. 18, 1997	Panescu et al.			
	5,690,692	Nov. 25, 1997	Janet E. Fleming			
	5,693,042	Dec. 2, 1997	A. A. Bioarski et al.			
	5,695,494	Dec. 9, 1997	Daniel J. Becker			
Examiner	Roy D. Gibson			Date Considered 8/26/05		
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

without references

Form PTO-1449		Docket Number (Optional) 2880(203-3440)		Application Number 10/728,212		
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)		Applicant David S. Keppel				
		Filing Date December 4, 2003		Group Art Number		
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
RDS	5,702,386	Dec. 31, 1997	Roger A. Stern et al.			
	5,702,429	Dec. 30, 1997	Garry William King			
	5,707,369	Jan. 13, 1998	Vaitekunas et al.			
	5,713,896	Feb. 3, 1998	Paul C. Nardella			
	5,720,744	Feb. 24, 1998	J. L. Eggleston et al.			
	5,722,975	Mar. 3, 1998	Stuart D. Edwards et al.			
	5,733,281	Mar. 31, 1998	Paul C. Nardella			
	5,749,869	May. 12, 1998	Heinz Lindenmeier et al.			
	5,749,871	May. 12, 1998	Larry L. Hood et al.			
	5,766,165	Jun. 16, 1998	John S. Gentelia et al.			
	5,772,659	Jun. 30, 1998	Daniel J. Becker et al.			
	5,792,138	Aug. 11, 1998	John I. Shipp			
	5,797,902	Aug. 25, 1998	Samuel G. Netherly			
	5,814,092	Sept. 29, 1998	Garry William King			
	5,817,093	Oct. 6, 1998	Williamson, IV et al.			
	5,820,568	Oct. 13, 1998	N. P. Willis			
	5,827,271	Oct. 27, 1998	Steven P. Bussey et al.			
	5,836,943	Nov. 17, 1998	Scott A. Miller, III			
	5,846,236	Dec. 8, 1998	Heinz Lindenmeier et al.			
	5,868,737	Feb. 9, 1999	Taylor et al.			
	5,868,739	Feb. 9, 1999	Heinz Lindenmeier et al.			
	5,868,740	Feb. 9, 1999	LeVeen et al.			
	5,871,481	Feb. 16, 1999	D. P. Kannenberg et al.			
	5,897,552	Apr. 27, 1999	Stuart D. Edwards et al.			
	5,908,444	Jun. 1, 1999	Larry Azure			
	5,913,882	Jun. 22, 1999	Garry William King			
	5,921,982	Jul. 13, 1999	Lesh et al.			
	5,925,070	Jul. 20, 1999	Gary W. King et al.			
	5,931,836	Aug. 3, 1999	Shinji Hatta et al.			
	Y	5,938,690	Aug. 17, 1999	Jay Law et al.		
Examiner <i>Roy D. Gibson</i>				Date Considered <i>8/26/05</i>		
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

without references

Form PTO-1449		Docket Number (Optional) 2880(203-3440)		Application Number 10/728,212		
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)		Applicant David S. Keppel				
		Filing Date December 4, 2003		Group Art Number		
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
Roy	5,948,007	Sept. 7, 1999	W. Starkenbaum et al.			
	5,951,546	Sept. 14, 1999	Torben Lorentzen			
	5,954,686	Sep. 21, 1999	Garito et al.			
	5,954,717	Sept. 21, 1999	Robert S. Behl et al.			
	5,971,980	Oct. 26, 1999	Marshall L. Sherman			
	5,976,128	Nov. 2, 1999	Bertram Schilling et al.			
	5,983,141	Nov. 9, 1999	Menno E. Sluiter et al.			
	6,010,499	Jan. 4, 2000	Garry V. Cobb			
	6,014,581	Jan. 11, 2000	Whayne et al.			
	6,033,399	Mar. 7, 2000	David Lee Gines			
	6,044,283	Mar. 28, 2000	Michael E. Fein et al.			
	6,053,910	Apr. 25, 2000	Richard P. Fleenor			
	6,053,912	Apr. 25, 2000	Panescu et al.			
	6,056,745	May 2, 2000	Panescu et al.			
	6,056,746	May 2, 2000	Goble et al.			
	6,063,078	May. 16, 2000	Wittkampf			
	6,068,627	May. 30, 2000	J. H. Orszulak et al.			
	6,074,386	Jun. 13, 2000	Neil Mark Goble et al.			
	6,093,186	Jul. 25, 2000	Colin C.O. Goble			
	6,113,591	Sept. 5, 2000	James G. Whayne et al.			
	6,123,702	Sept. 26, 2000	Swanson et al.			
	6,132,429	Oct. 17, 2000	James A. Baker			
	6,142,992	Nov. 7, 2000	Cheng et al.			
	6,203,541	Mar. 20, 2001	David Keppel			
	6,210,403	Apr. 3, 2001	Michael S. Klicek			
	6,228,080	May. 8, 2001	David Lee Gines			
	6,238,387	May. 29, 2001	Scott A. Miller, III			
	6,241,725	Jun. 5, 2001	Cosman			
	6,246,912	Jun. 12, 2001	Menno E. Sluiter et al.			
	✓	6,251,106	Jun. 26, 2001	Daniel J. Becker et al.		
Examiner Roy D. Gibson				Date Considered 8/26/05		
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

***without references***

[illegible]





with references

Form PTO-1449  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)				Docket Number (Optional) 2880(203-3440)		Application Number 10/728,212	
				Applicant David S. Keppel			
				Filing Date December 4, 2003		Group Art Number	
<b>FOREIGN PATENT DOCUMENTS</b>							
	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
ROY	246,350	Nov., 1987	EP				
	310,431	Apr., 1989	EP				
	325,456	Jul., 1989	EP				
	336,742	Oct., 1989	EP				
	390,937	Oct., 1990	EP				
	556,705	Aug., 1993	EP				
	608,609	Aug., 1994	EP				
	1,275,415	Oct., 1961	FR				
	1,347,865	Nov., 1963	FR				
	2,313,708	Dec., 1976	FR				
	2,502,935	Oct., 1982	FR				
	2,517,953	Jun., 1983	FR				
	2,573,301	May, 1986	FR				
	855,459	Nov., 1960	GB				
	2,164,473	Mar., 1986	GB				
✓	2,214,430	Sep. 6, 1989	GB				
Examiner <i>Roy D. Gibson</i>				Date Considered 8/26/05			
Examiner: Initial if citation considered, whether or nor citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							

with references

Form PTO-1449  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)				Docket Number (Optional) 2880(203-3440)		Application Number 10/728,212	
				Applicant David S. Keppel			
				Filing Date December 4, 2003		Group Art Number	
<b>FOREIGN PATENT DOCUMENTS</b>							
	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
RDB	WO92/06642	Apr., 1992	PCT				
	WO93/24066	Dec., 1993	PCT				
	WO94/24949	Nov., 1994	PCT				
	WO94/28809	Dec., 1994	PCT				
	WO95/09577	Apr., 1995	PCT				
	WO95/19148	Jul., 1995	PCT				
	WO96/04860	Feb., 1996	PCT				
	WO96/08794	Mar., 1996	PCT				
	WO96/18349	Jun., 1996	PCT				
	WO96/29946	Oct., 1996	PCT				
	WO96/39914	Dec., 1996	PCT				
	WO97/06739	Feb., 1997	PCT				
	WO97/06740	Feb., 1997	PCT				
	WO97/06855	Feb., 1997	PCT				
	WO97/17029	May., 1997	PCT				
	166,452	Jan., 1965	SU				
✓	727,201	Apr., 1980	SU				
Examiner <i>Roy D. Gibson</i>				Date Considered 8/26/05			
Examiner: Initial if citation considered, whether or nor citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							

with references

Form PTO-1449		Docket Number (Optional) 2880(203-3440)	Application Number 10/728,212
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)		Applicant David S. Keppel	
		Filing Date December 4, 2003	Group Art Number
<b>OTHER DOCUMENTS</b>			
<i>RWS</i>		Alexander et al., "Magnetic Resonance Image-Directed Stereotactic Neurosurgery: Use of Image Fusion with Computerized Tomography to Enhance Spatial Accuracy"	
		Journal Neurosurgery, 83; (1995) pp. 271-276	
		Anderson et al., "A Numerical Study of Rapid Heating for High Temperature Radio Frequency Hyperthermia"	
		International Journal of Bio-Medical Computing, 35 (1994) pp. 297-307.	
		Astrahan, "A Localized Current Field Hyperthermia System for Use with 192-Iridium Interstitial Implants"	
		Medical Physics, 9 (3), May/Jun. 1982	
		Bergdahl et al., "Studies on Coagulation and the Development of an Automatic computerized Bipolar Coagulator"	
		Journal of Neurosurgery 75:1, (Jul., 1991) pp. 148-151	
		Cosman et al., "Methods of Making Nervous System Lesions"	
		In William RH, Rengachary SS (eds): Neurosurgery, New York: McGraw-Hill, vol. 111, (1984), pp. 2490-2499.	
		Cosman et al., "Radiofrequency Lesion Generation and Its Effect on Tissue Impedance"	
		Applied Neurophysiology 51: (1988) pp. 230-242	
		Cosman et al., "Theoretical Aspects of Radiofrequency Lesions in the Dorsal Root Entry Zone"	
		Neurosurgery 15:(1984) pp. 945-950	
		Geddes et al., "The Measurement of Physiologic Events by Electrical Impedance"	
		Am. J. MI, Jan. Mar. 1964, pp. 16-27	
		Goldberg et al., "Tissue Ablation with Radiofrequency: Effect of Probe Size, Gauge, Duration, and Temperature on Lesion Volume"	
		Acad Radio (1995) Vol. 2, No. 5, pp. 399-404	
		Medtrex Brochure "The O.R. Pro 300"	
		1 p.	
		Sugita et al., "Bipolar Coagulator with Automatic Thermocontrol"	
		J. Neurosurg., vol. 41, Dec. 1944, pp. 777-779	
		Valleylab Brochure "Valleylab Electroshield Monitoring System"	
		2 pp.	
		Vallfors et al., "Automatically Controlled Bipolar Electrocoagulation-'COA-COMP'"	
		Neurosurgical Review 7:2-3 (1984) pp. 187-190	
		Wald et al., "Accidental Burns",	
		JAMA, Aug. 16, 1971, Vol. 217, No. 7, pp. 916-921	
		Richard Wolf Medical Instruments Corp. Brochure, "Kleppinger Bipolar Forceps & Bipolar Generator"	
		3 pp.	
Examiner		Date Considered	
<i>Roy D. Gibson</i>		<i>8/26/05</i>	
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.			